

ABSTRACT OF THE DISCLOSURE

5 A differential impulse conveyor having a
conveyor motor which uses bellows to provide the driving
force for the conveyor. The conveyor includes a housing
within which is mounted the conveyor motor. The
conveyor motor has a pair of bellows, a drive plate and
a fluid control system. The drive plate is movably
mounted between the bellows. The conveyor plate is
mounted to the top end of the drive plate. The fluid
10 control system includes a main control valve, a pair of
limit switches, a pair of valves and a flow control
valve. The fluid control system allows for inflation of
one bellow at a greater rate than inflation of the other
bellow.